

Fig. 2a

Propagation of e and o rays through the polarization beam splitter chip

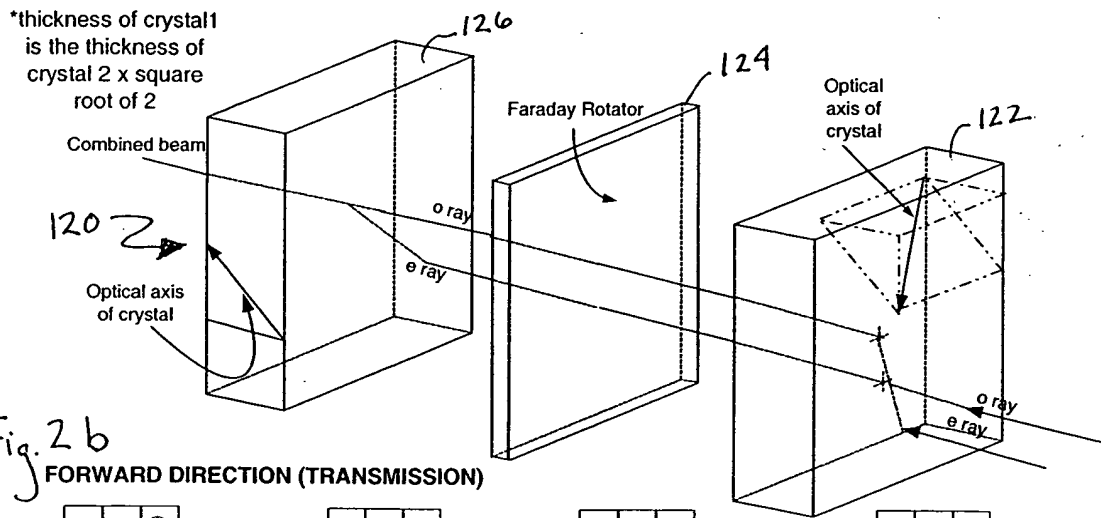


Fig. 2b

FORWARD DIRECTION (TRANSMISSION)

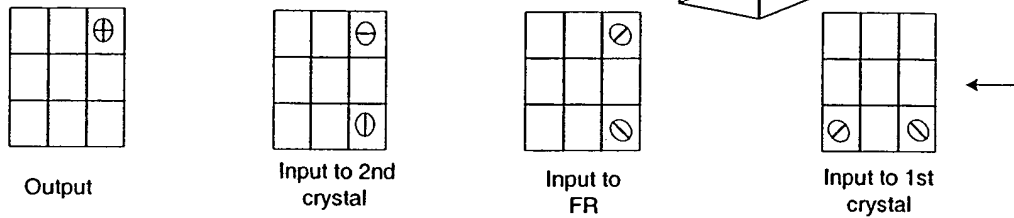


Fig. 2c

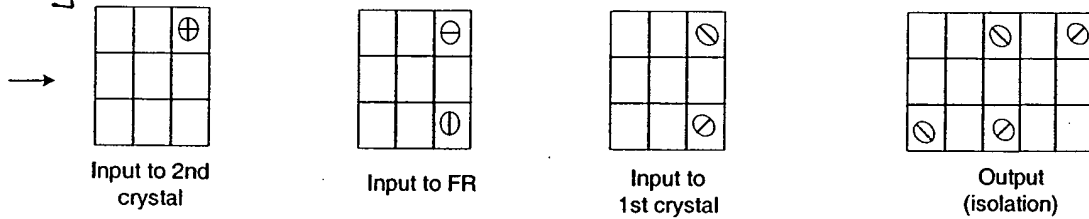
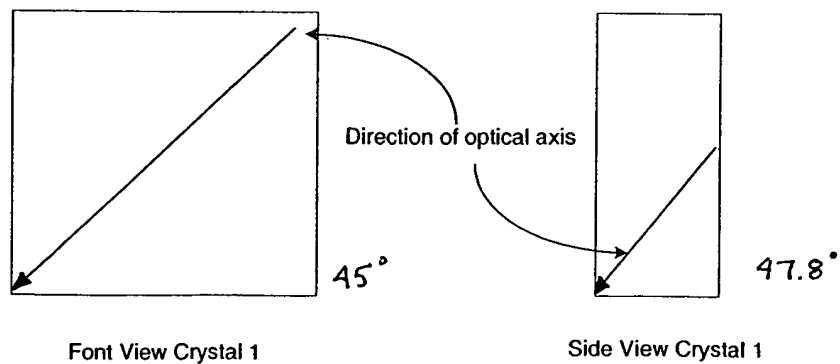


Fig. 2d



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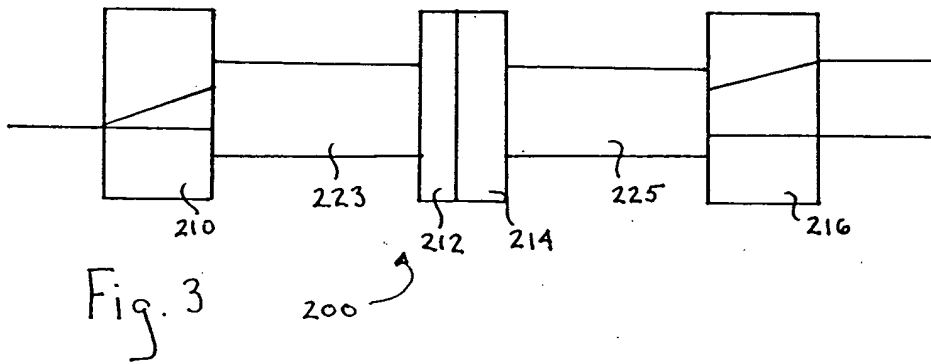


Fig. 4a

252

Input ray

Optical axis of crystal

e ray

o ray

Optical axis of Rotator

254

Faraday Rotator

256

o ray

e ray

250

Forward Direction:

- Input to Crystal1:** A 3x3 grid with a \oplus symbol in the bottom-right cell.
- Input to HWP:** A 3x3 grid with a \ominus symbol in the top-middle cell and a \ominus symbol in the bottom-middle cell.
- Input to FR:** A 3x3 grid with a \otimes symbol in the top-middle cell and a \otimes symbol in the bottom-middle cell.
- Output from FR:** A 3x3 grid with a \ominus symbol in the top-middle cell and a \oplus symbol in the bottom-middle cell.

Reverse Direction:

- Output from Crystal1:** A 3x3 grid with a \ominus symbol in the top-middle cell and a \oplus symbol in the bottom-middle cell.
- Input to HWP:** A 3x3 grid with a \ominus symbol in the top-middle cell and a \oplus symbol in the bottom-middle cell.
- Input to FR:** A 3x3 grid with a \otimes symbol in the top-middle cell and a \otimes symbol in the bottom-middle cell.
- Output from FR:** A 3x3 grid with a \ominus symbol in the top-middle cell and a \oplus symbol in the bottom-middle cell.

Fig. 4b

09901580.07101

Fig. 5a

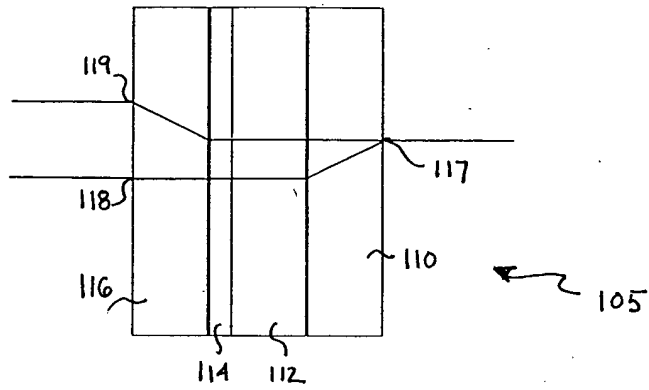


Fig. 5b

Forward Direction (transmission)

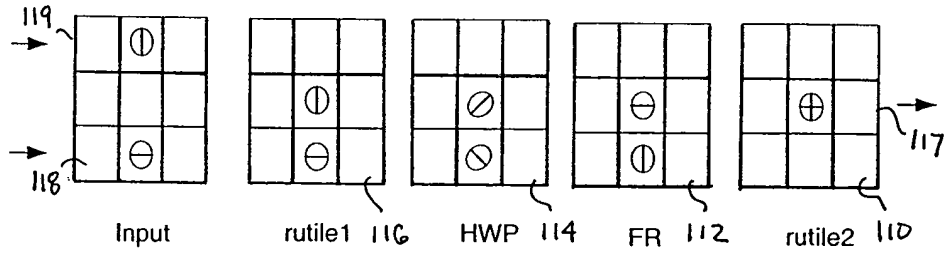
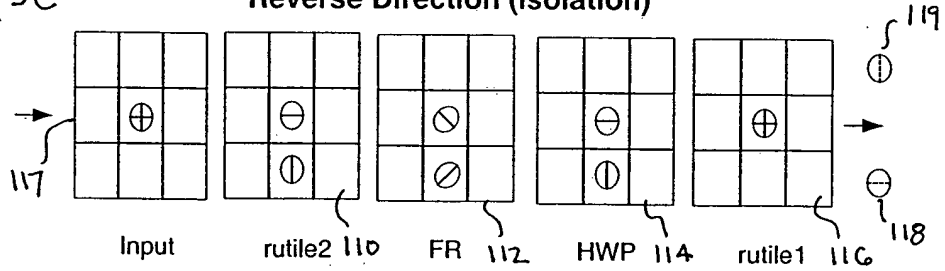
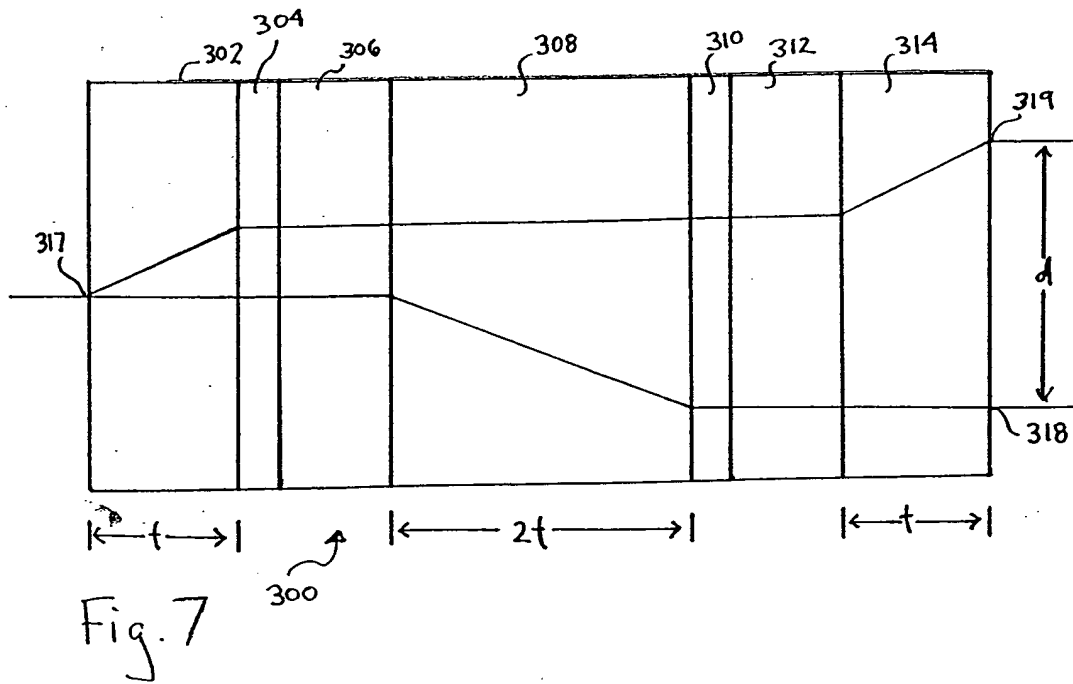


Fig. 5c

Reverse Direction (isolation)





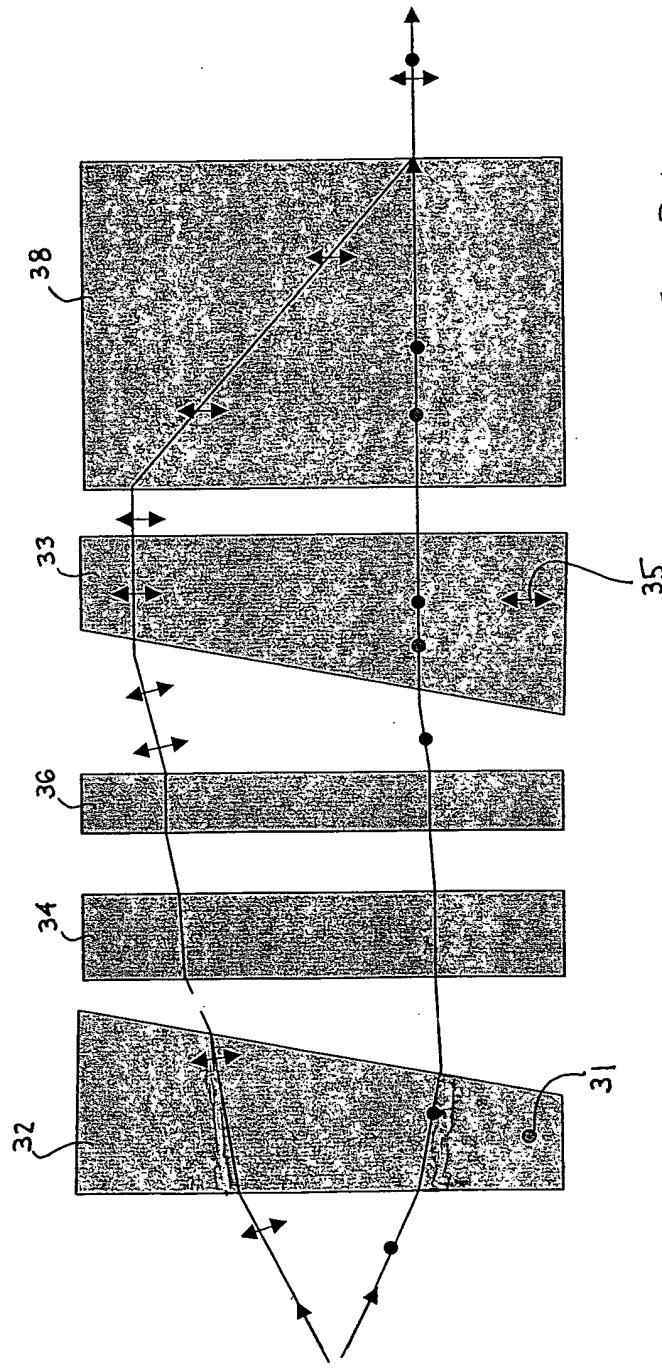


Fig. 9A

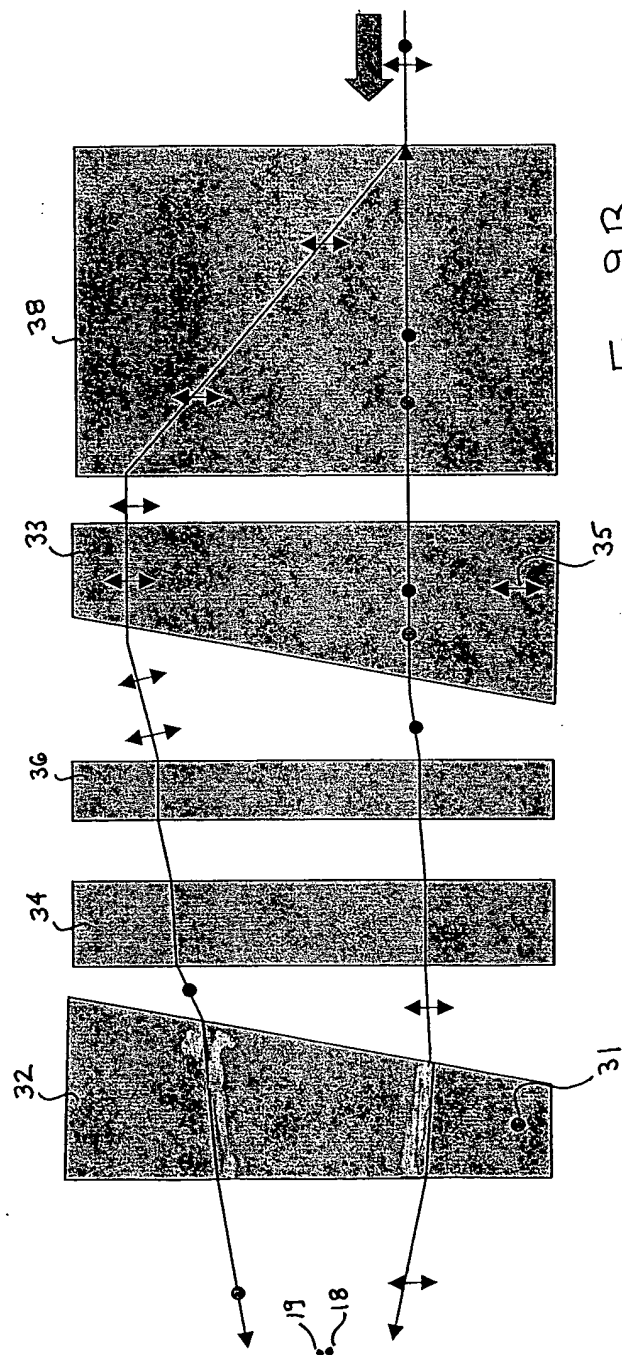


Fig. 9B